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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Sangjoon HAHN et al.

Group Art Unit: 2863

Serial No. 10/667,131

Examiner: Bryan Bui

Filed: September 22, 2003

Confirmation No. 7176

For: METHOD AND APPARATUS  
OF ESTIMATING PURE SPECTRA  
AND A CONCENTRATION OF A  
MIXTURE

Atty. Docket No. 249/408

**AMENDMENT UNDER 37 C.F.R. § 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Va. 22313-1450

Sir:

**INTRODUCTORY COMMENTS**

In response to the Office action dated January 14, 2005, the following amendments and remarks are respectfully submitted in connection with the above-identified application:

**Amendments to the Claims** are presented in a listing of claims, which begins on page 2 of this paper.

**Remarks** begin on page 6 of this paper.